

International application No.
PCT/JP03/14950

	10	,1/0103/14930
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ A61B5/0245		
According to International Patent Classification (IPC) or to both	national classification and IPC	
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed Int.Cl ⁷ A61B5/0245	l by classification symbols)	
Documentation searched other than minimum documentation to the distribution of Jitsuyo Shinan Koho 1922-1996 Kokai Jitsuyo Shinan Koho 1971-2003	Toroku Jitsuyo Shinar Jitsuyo Shinan Toroku	n Koho 1994-2003 u Koho 1996-2003
Electronic data base consulted during the international search (nat	ne of data base and, where practical	ble, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where a		
X Y 09 May, 1995 (09.05.95), A Full text; all drawings & JP 3342129 B2 & US 5467771 A	, P 649629 A2	1-3 4-7,10,13,16 8,9,11,12, 14,15,17-29
1	nics Co., Ltd.), P 4-67840 A S 5179956 A	4-6,13,16
Y JP 8-103419 A (Seiko Instrum 23 April, 1996 (23.04.96), Full text; all drawings (Family: none)	ments Inc.),	7,10
Further documents are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed Date of the actual completion of the international search 23 January, 2004 (23.01.04)	priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered novel or cannot be considered novel or cannot be restablish the publication date of another citation or other referring to an oral disclosure, use, exhibition or other ent published prior to the international filing date but later reprintly date claimed "X" "X" "X" "X" "X" "X" "X" "	
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer	
Facsimile No.	Telephone No.	

INTERNATIONAL SEARCH REPORT

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ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 5176143 A (Joseph S.Eckerle et al.), 05 January, 1993 (05.01.93), Fig. 6 (Family: none)	1-29
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